

# PATENT COOPERATION TREATY

# PCT

REC'D 14 JUL 2005

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

(Rationalised Report according to the Notice of the President of the EPO published in the OJ11/2001)

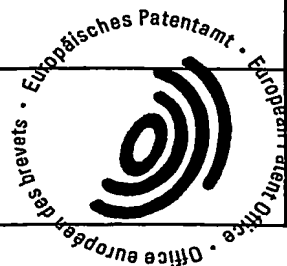
Applicant's or agent's file reference <b>CH920020037</b>	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/IB03/05129</b>	International filing date (day/month/year) <b>13/11/2003</b> ✓	Priority date (day/month/year) <b>20/12/2002</b> ✓
International Patent Classification (IPC) or national classification and IPC <b>B01J19/00</b>		
Applicant <b>INTERNATIONAL BUSINESS MACHINES CORPORATION</b> ✓		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This **REPORT** consists of a total of 2 sheets, including this cover sheet.  
  
☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consists of a total of \_\_\_\_\_ sheets.

3. This report contains indications relating to the following items:
  - I ☒ Basis of the report
  - II ☐ Priority
  - III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
  - IV ☐ Lack of unity of invention
  - V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - VI ☐ Certain documents cited
  - VII ☐ Certain defects in the international application
  - VIII ☐ Certain observations on the international application

Date of submission of the demand <b>30/06/2004</b> ✓	Date of completion of this report <b>12/07/2005</b>
Name and mailing address of the IPEA/ <b>European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Netherlands Tel.: (+31-70) 340-2040 Fax: (+31-70) 340-3016</b>	Authorized officer <b>Jurgen Rampelmann</b>  Tel. (+49-89) 2399 2828



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

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International application No.

PCT/IB03/05129

**I. Basis of the report**

The basis of this international preliminary examination is the application as originally filed.

**V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability**

In light of the documents cited in the international search report, it is considered that the invention as defined in at least some of the claims does not appear to meet the criteria mentioned in Article 33(1) PCT, i.e. does not appear to be novel and/or to involve an inventive step (see international search report, in particular the documents cited X and/or Y and corresponding claim references).

# INTERNATIONAL SEARCH REPORT

International No  
PCT/IB 03/05129

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J19/00 C12Q1/68 G01N33/53

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, INSPEC, BIOSIS, COMPENDEX, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BERNARD A ET AL: "MICROCONTACT PRINTING OF PROTEINS" ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, vol. 12, no. 14, 19 July 2000 (2000-07-19), pages 1067-1070, XP000959391 ISSN: 0935-9648 cited in the application the whole document	23
A	---	1
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☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

17 February 2004

Date of mailing of the international search report

23/02/2004

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Held, P

## INTERNATIONAL SEARCH REPORT

Internatio:

No

PCT/IB 03/05129

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RAMSAY G: "DNA CHIPS: STATE-OF-THE ART" NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 16, 1998, pages 40-44, XP000198575 ISSN: 1087-0156 cited in the application	23
A	page 40 figures 1-5	1
X	XIA Y ET AL: "SOFT LITHOGRAPHY" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, vol. 37, 1998, pages 551-575, XP000985399 ISSN: 0570-0833	23
A	page 553 -page 559	1